

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 198 (FORT MEADE ROAD) AND MD 197 (LAUREL-BOWIE ROAD/IRVING STREET) IN PRINCE GEORGE'S COUNTY. IT IS ASSUMED THAT MD 198 RUNS IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR EASTBOUND AND WESTBOUND MD 198, SPLIT PHASING FOR THE SIDE STREETS, AND A PRE-EMPTION PHASE FOR NORTHBOUND, SOUTHBOUND, EASTBOUND, AND WESTBOUND MOVEMENTS. AN ALTERNATE PEDESTRIAN PHASE WILL BE ADDED ACROSS THE WEST LEG OF THE INTERSECTION.

CONTROLLER REQUIRMENTS

INSTALL AN EIGHT PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH FOUR-CHANNEL LOOP DETECTOR AMPLIFIERS, INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP, AND TELEMETRY EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR. THE EXISTING OPTICOM DISCRIMINATOR MODULE SHALL BE USED.

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. LEE STARKLOFF
TEAM LEADER - TRAFFIC
(301) 513-7316

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 513-7304

MR. KEVIN NOWAK
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
(301) 513-7385

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD DAFF, SR.
CHIEF TRAFFIC OPERATIONS
(410) 787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
(410)787-7630

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
(410) 787-7696

MR. ROBERT SNYDER
ASSISTANT DIVISION, CHIEF
TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY,
CHIEF, SIGN OPERATIONS
(410) 787-7676

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
963010	4 CHANNEL DETECTOR AMPLIFIER	EA	6
971017	EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET- BASE MOUNT	EA	1
973023	SHEET ALUMINUM SIGNS	SF	166
	5 EA W11-2 (30"x30"), W16-7P(L) (24"x12") - GROUND MOUNT		
	3 EA W11-2 (30"x30"), W16-7P(R) (24"x12") - GROUND MOUNT		
	1 EA R4-1 (24" X30") - GROUND MOUNT	SF	71
	1 EA M3-4 (24"x12"), M1-5 (30"x24"), M6-1 (21"x15") - ON BLACK BACKGROUND 30"x51" - POLE MOUNT		
	1 EA M3-4 (30"x15"), M1-5 (48"x36") M6-1 (30"x24") - ON BLACK BACKGROUND 48"x75" - POLE MOUNT		
	1 EA M3-2 (24"x12"), M1-5 (30"x24") M6-1 (21"x15") - ON BLACK BACKGROUND 30"x51" - POLE MOUNT		
	1 EA M3-2 (30"x15"), M1-5 (48"x36") M6-1 (30"x15") - ON BLACK BACKGROUND 48"x75" - POLE MOUNT		
	1 EA M3-3 (24"x12"), M1-5 (30"x24") M6-1 (21"x15") - ON BLACK BACKGROUND 30"x51" - POLE MOUNT		
	2 EA R10-4(1) (9"x12") - LAUREL-BOWIE ROAD - POLE MOUNT		
	2 EA R10-4(1) (9"x12") - FORT MEADE ROAD - POLE MOUNT	SF	87
	2 EA R10-4(1) (9"x12") - IRVING STREET - POLE MOUNT		
	2 EA R3-5(L) (30"x36") - SPAN WIRE MOUNT		
	1 EA R3-6(L) (30"x36") - SPAN WIRE MOUNT	SF	23

NOTE: USE EXISTING OPTICOM DISCRIMINATOR MODULE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
203030	TEST PIT EXCAVATION	CY	6
201032	CLASS 2 EXCAVATION	CY	6
585412	12 INCH WHITE LEAD FREE REFLECTIVE PAVEMENT MARKING	LF	580
585424	24 INCH WHITE LEAD FREE REFLECTIVE PAVEMENT MARKING	LF	30
585630	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS	EA	2
648540	MONOLITHIC CONCRETE MEDIAN VARIABLE WIDTH TYPE A-1, 4 FEET 0 INCH TO 6 FEET 0 INCH	LF	4
655105	5 INCH CONCRETE SIDEWALK	SF	800
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	6
801104	WOOD SUPPORTS 4 INCH X 4 INCH	LF	15
801106	WOOD SUPPORTS 4 INCH X 6 INCH	LF	64
802501	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE	LF	145
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	145
813014	INSTALL GROUND MOUNTED SIGN	SF	71
813015	INSTALL OVERHEAD SIGN	SF	110
813023	RELOCATE EXISTING GROUND MOUNTED SIGNS	SF	9
818004	10 FT. BREAKAWAY PEDESTAL POLE	EA	6
860284	12 INCH L.E.D. VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	43
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	1675
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)	LF	1540
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)	LF	300
869101	STEEL SPAN WIRE - 1/4 INCH DIAMETER	LF	390
800000	F&I APS PUSHBUTTON AND ASSEMBLY	EA	6
800000	FURNISH & DELIVER APS CENTRAL CONTROL UNIT	EA	1
800000	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT	LS	1
800000	16 INCH L.E.D. COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	6
800000	8 INCH L.E.D. SIGNAL HEAD SECTION	EA	6
800000	RELOCATE EXISTING SIGNS MOUNTED ON SPAN WIRE	SF	23

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.
7491 CONNELLEY DRIVE HANOVER, MD 21076.

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

☐ REDLINE REVISION / /
CONTRACT PG4505177
NEW SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 198 (FT. MEADE RD) AND MD 197
(LAUREL-BOWIE)IRVING ST
LAUREL, MD

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	1-2006	CONTRACT NO.	PG4505177
DESIGNED BY	MLH /TC	COUNTY	PRINCE GEORGE'S		
DRAWN BY	MLH /TC	LOGMILE	16019714.64		
CHECKED BY	DAE	TIMS NO.	H106G-GI		
FAP NO.		TOD NO.			
TS NO.	1847G	DRAWING	-	OF	
					SHEET NO. 3 OF 3



RUMMEL, KLEPPER
& KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE:(410)728-2900 FAX:(410)383-3270